The premier Blu-ray Disc™ -enabled entertainment notebook PC

EXTREME PC PERFORMANCE

The VAIO® AR notebook is powered by Intel's incredible new hafnium-based processor technology. Faster and more efficient than ever, the next-generation Intel® Core™ 2 Duo T9300 processor (2.50GHz[1]), with 6MB of L2 cache and an amazing 4GB[15] of pre-installed system memory, turns up the speed on multi-tasking while curbing energy consumption.

The VAIO® AR notebook comes pre-installed with Genuine Microsoft® Windows Vista® Ultimate with Service Pack 1.

Tackle virtually any graphics requirement with a NVIDIA® GeForce® 8600M GT GPU graphics card with 512MB of dedicated video RAM.

Offering a massive boost in wireless connection speed and range, work and play quicker almost anywhere within your office or home using next-generation 802.11n integrated wireless LAN technology[3] .

STUNNING HD ENTERTAINMENT

Watch all of your favorite Blu-ray Disc™ movies in stunning HD on the 17"[6] widescreen display using XBRITE-HiColor™ technology so you can see deeper blacks, brighter whites, true-to-life color and razor sharp detail from almost any angle.

With integrated Blu-ray Disc™ technology and optical drive[5] , you can archive or record 25-50GB[2] of home movies, music and digital photos to a single Blu-ray Disc™ media (sold separately).

A supplied external ATI TV Wonder™ Digital Cable Tuner lets you enjoy incredibly crisp, live and recorded analog, digital and cable TV, including premium HD channels[19] to which you subscribe to, on the 17"[6] widescreen display.

Record your favorite HDTV programming[19] and store your cherished family photos on the spacious 500GB[2] hard disk drive with RAID techology.

ENDLESS FEATURES

An HDMI™ output[20] delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables(HDMI™ cable sold separately).

Stay connected to colleagues, friends and family at the office or on-the-go with real-time video conferencing[4] using the integrated MOTION EYE® camera and microphone.

Extend the reach of your AR notebook with A2DP Bluetooth® technology[16] that is ideal for advanced wireless communication and streaming uncompromised CD-quality stereo music to Bluetooth® speakers or headphones.

Whether it's for YouTube™ , a company project or for sharing with family and friends, editing digital video captured by your Sony® Handycam® is quick and easy with VAIO® Movie Story software. You choose the supplied template and professional-looking cutaways, cross-fades and soundtrack syncing are automatically done for you.

The VAIO® AR890 notebook is a multimedia powerhouse with DVR capabilities and a 17"[6] WUXGA widescreen display with XBRITE-HiColor™ LCD technology. Featuring an Intel® Core™ 2 Duo T9300 processor, a 500GB[2] hard drive and 4GB memory[15] , the AR790 notebook is a super-powerful notebook. Watch[17] and record[18] in stunning Blu-ray Disc™ format[5] and even view, record, and manage cable TV content[19] .

Intel Centrino Inside Performance to go

Windows Vista Ultimate

802.11 a/b/g WiFi CERTIFIED

Bluetooth

HDNA

Blu-ray Disc

XBRITE-HiColor™

dlna CERTIFIED

RoHS COMPLIANT

VGN-AR890U

VAIO® AR Series Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Multimedia Powerhouse
Action Buttons: S1, S2, AV Mode[21], Volume-/+, Mute, Play/ Pause/ Stop, Channel, Eject, Fast Forward, Rewind, WLAN/ Bluetooth® on/off, TV REC
Pointing Device: Electro-Static touch pad

Hardware

Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in 1.3 megapixel MOTION EYE® camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T9300
Speed: 2.50GHz[1]
Front Side Bus Speed: 800MHz
L2 Cache: 6MB
Technology: Intel® Centrino® Duo Processor Technology

Memory

Type: DDR2
Installed: 4GB PC2-5300 (2GBx2)[15]
Maximum: 4GB[15]
Speed: 667MHz

Hard Drive

Capacity: 500GB[2] (250GB[2] x2)
Speed: 5400rpm
Interface: Serial ATA
Technology: RAID Technology

Optical Drive #1

DVD+R DL Write: 2.4x max
DVD+R Write: 8x max
DVD+RW Write: 4x max
DVD-R Write: 8x max
DVD-RW Write: 4x max
CD-R Write: 8x max
CD-RW Write: 8x max
CD Read: 24x max
DVD Read: 8x max
DVD-RAM Write: 5x max
DVD-R DL Write: 2x max
BD-R Read: 2x max.
BD-R Write: 2x max.
BD-RE Write: 2x max.
BD-ROM Read: 2x max.
BD-RE Read: 2x max.
BD-R DL Read: 1.6x max.
BD-R DL Write: 1x max.
DVD-RAM Read: 5x max
Blu-Ray Disc™ Support: Yes[5] (BD-R/-RE/-ROM/ DVD±RW/±R DL/RAM Drive)
BD-RE DL Read: 1.6x max.
BD-RE DL Write: 1x max.

Expansion Slots

Multimedia Card Reader: One Memory Stick Duo™ media slot with MagicGate® functionality
One ExpressCard® /54 slot
One Secure Digital (SD™ memory card) media slot
One PCMCIA - Type II/Type I card slot with CardBus support

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 17.0"[6]
Resolution: 1920 x 1200
XBRITE-HiColor™ Technology: Yes
Technology: WUXGA

Graphics

Processor: NVIDIA® GeForce® 8600M GT GPU with Total Available Graphics Memory of 1791MB (max.)[10]
Video RAM: 512MB dedicated video RAM
Chipset: Mobile Intel® PM965 Express Chipset
Interface: HDMI™ [20], S-Video and VGA out with Smart Display Sensor
TV Tuner: Yes - ATI TV Wonder™ Digital Cable Tuner (NTSC, ATSC™ and CableCard™ Support)[19]

Inputs and Outputs

HDMI™ Connection Output(s): 1[20]
Headphone Jack: 1
Modem Jack: 1
Microphone Input: 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[9]
S/PDIF Output(s): 1
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology[16]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS9A/B)
Estimated Battery Life: 1.0-2.5 hours[11] Standard Capacity Battery
2.0-4.5 hours[11] Large Capacity Battery
Power Requirements: 150W + 10%

Software

Operating System: Genuine Microsoft® Windows Vista® Ultimate with SP1
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[14]
Security and Anti-Virus Software: Microsoft® Windows Live™ OneCare™ Trial Version
The VAIO® Software Experience: VAIO® Startup Assistant
Click to Disc Editor - Import, Edit, Burn
VAIO® Movie Story - Simple Movie Creation
VAIO® MusicBox - Music by Mood
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[13]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 year limited warranty[12]. See actual warranty for details.

Environmental Information

RoHS®: Compliant
For more information: www.sony.com/vaioeco

Dimensions

Weight: 8.4 lbs.[7] (with standard battery)
Measurements: 16.4"(W) x 1.32"(H) x 11.8"(D)[7,8]

Supplied Accessories

Standard Lithium-ion battery (VGP-BPS9A/B)
AC Adapter (VGP-AC19V15)
Power Cord
Remote Control (2 batteries)
ATI TV Wonder™ Digital Cable Tuner (NTSC, ATSC™ and CableCARD™ Support[19])
IR Reciever (PCVA-IR8U)

Optional Accessories

Large Capacity Battery (VGP-BPL9)
Additional Standard Lithium-ion Battery (VGP-BPS9A/B)
USB Optical Mouse(VGP-UMS20/B)
Bluetooth® Laser Mouse[16] (VGP-BMS33/B)
All-in-one 2.1 Channel Speaker (VGP-SP100)
Neoprene Notebook and AC Adapter Case (VGP-AMC2)
Universal Carrying Case (VGP-AMB1A)

Color: Glossy Piano Black
UPC Code: 27242739826

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services, which may require a fee.
4. Broadband Internet service required along with third party services which may require a subscription or other service fee.
5. Blu-ray Disc™ Media/Formats are not universally compatible.
6. Viewable area measured diagonally.
7. Non-metric weights and measures are approximate and may vary.
8. Measured at the narrowest point
9. i.Link is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
10. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition and system memory size.
11. Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions. Battery life will be shorter with models equipped with Instant Mode features.
12. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
13. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor.
14. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you don't activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
15. A portion of the system memory over 3GB may not be available to the operating system.
16. Interoperability and compatibility among Bluetooth® devices varies.
17. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates.
18. Video recording to Blu-ray Disc™ media is done in MPEG2 and AVC formats only.
19. The digital TV tuner supports a CableCARD™ removable security module. Contact your cable operator to receive a CableCARD compatible with your operator's network (additional charges may apply). Not all functions that are available when using a set-top box provided by your cable operator will be supported by CableCARD (e.g. video-on-demand and pay-per-view functionality may not be supported).
20. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
21. AV Instant Mode not available when playing Blu-ray Disc™ media.

Computer Interface: For this product,there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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